

8927 #12



OIPE

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/092,004A

DATE: 09/27/2002
TIME: 13:10:20

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\09272002\J092004A.raw

3 <110> APPLICANT: Corvas International, Inc.
4 Madison, Edwin L.
5 Semple, Joseph Edward
6 Coombs, Gary Samuel
7 Reiner, John Eugene
8 Ong, Edgar O.
9 Araldi, Gian Luca
11 <120> TITLE OF INVENTION: Inhibitors of Serine Protease Activity of Matriptase or
13 <130> FILE REFERENCE: 018813/0282105
15 <140> CURRENT APPLICATION NUMBER: 10/092,004A
16 <141> CURRENT FILING DATE: 2002-09-12
18 <150> PRIOR APPLICATION NUMBER: PCT/US01/28137
19 <151> PRIOR FILING DATE: 2001-09-07
21 <150> PRIOR APPLICATION NUMBER: 09/657,986
22 <151> PRIOR FILING DATE: 2000-09-08
24 <160> NUMBER OF SEQ ID NOS: 11
26 <170> SOFTWARE: PatentIn version 3.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 726
30 <212> TYPE: DNA
31 <213> ORGANISM: Homo Sapiens
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <223> OTHER INFORMATION: Nucleic acid sequence of protease domain of MTSP1
37 <400> SEQUENCE: 1
39 gttgtttggg gcacggatgc ggatggggc gaggccctt ggcaggtaag cctgcattgtct 60
41 ctggccagg gccccatctg cggtgttcc ctcatacttc ccaactggct ggtcttgc 120
43 gcacactgtt acatcgatgt cagaggatttcc aggtacttcg acccccacgc gtggacggcc 180
45 ttcctgggtt tgacacgacca gagccagcgc aagccccctgtt ggggtgcagga ggcgcagggtc 240
47 aagcgcatca tctcccaacc ttcttcaat gacttcaccc ttgcactatgtt categcgctg 300
49 ctggagctgg agaaaacccgc agatgtacaggc tecatgggtgc ggcccatctgtt cctgcggac 360
51 gcctcccatgt ttctccctgc cggcaaggcc atctgggtca cggggctgggg acacacccagg 420
53 tatggggcca ctggcgccgtt gatcttgcacaa aagggtgaga tcccgctcat caaccaggacc 480
55 accttgcgaga accttccttgc gcagcagatc acggccgcgc tttatgtgcgtt gggcttcctc 540
57 agcggccggcg tggacttcctg ccagggtgtt ccggggggac ccctgtccag cgtggaggcc 600
59 gatggggccgtt tcttccaggc cggtgtgggtt agctggggag acggctgcgc tcagaggaaac 660
61 aaggccaggcg ttttacacaag gttccctctgtt tttccggactt ggtatcaaaga gaacactggg 720
63 gtatag
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 241
67 <212> TYPE: PRT
68 <213> ORGANISM: Homo Sapiens
70 <400> SEQUENCE: 2

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72 Val Val Gly Gly Thr Asp Ala Asp Glu Gly Glu Trp Pro Trp Gln Val
73 1 5 10 15
75 Ser Leu His Ala Leu Gly Gln Gly His Ile Cys Gly Ala Ser Leu Ile
76 20 25 30
78 Ser Pro Asn Trp Leu Val Ser Ala Ala His Cys Tyr Ile Asp Asp Arg
79 35 40 45
81 Gly Phe Arg Tyr Ser Asp Pro Thr Gln Trp Thr Ala Phe Leu Gly Leu
82 50 55 60
84 His Asp Gln Ser Gln Arg Ser Ala Pro Gly Val Gln Glu Arg Arg Leu
85 65 70 75 80
87 Lys Arg Ile Ile Ser His Pro Phe Asn Asp Phe Thr Phe Asp Tyr
88 85 90 95
90 Asp Ile Ala Leu Leu Glu Leu Glu Lys Pro Ala Glu Tyr Ser Ser Met
91 100 105 110
93 Val Arg Pro Ile Cys Leu Pro Asp Ala Ser His Val Phe Pro Ala Gly
94 115 120 125
96 Lys Ala Ile Trp Val Thr Gly Trp Gly His Thr Gln Tyr Gly Gly Thr
97 130 135 140
99 Gly Ala Leu Ile Leu Gln Lys Gly Glu Ile Arg Val Ile Asn Gln Thr
100 145 150 155 160
102 Thr Cys Glu Asn Leu Leu Pro Gln Gln Ile Thr Pro Arg Met Met Cys
103 165 170 175
105 Val Gly Phe Leu Ser Gly Gly Val Asp Ser Cys Gln Gly Asp Ser Gly
106 180 185 190
108 Gly Pro Leu Ser Ser Val Glu Ala Asp Gly Arg Ile Phe Gln Ala Gly
109 195 200 205
111 Val Val Ser Trp Gly Asp Gly Cys Ala Gln Arg Asn Lys Pro Gly Val
112 210 215 220
116 Tyr Thr Arg Leu Pro Leu Phe Arg Asp Trp Ile Lys Glu Asn Thr Gly
117 225 230 235 240
119 Val

121 <210> SEQ ID NO: 3

122 <211> LENGTH: 23

123 <212> TYPE: DNA

124 <213> ORGANISM: Artificial Sequence

126 <220> FEATURE:

127 <223> OTHER INFORMATION: Description of artificial sequence: PC-3 sscDNA sense

128 oligonucleotide primer

--> 130 <221> NAME/KEY: misc_feature

131 <222> LOCATION: (0)...(0)

132 <223> OTHER INFORMATION: N=Inosine

--> 134 <400> 3

--> 136 tggtnvtnw sngcnrcnca ytg

23

139 <210> SEQ ID NO: 4

140 <211> LENGTH: 30

141 <212> TYPE: DNA

142 <213> ORGANISM: Artificial Sequence

144 <220> FEATURE:

145 <223> OTHER INFORMATION: Description of artificial sequence: PC-3 sscDNA anti-sense

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--> 146 oligonucleoide primer
--> 148 <221> NAME/KEY: misc_feature
149 <222> LOCATION: (0)...(0)
150 <223> OTHER INFORMATION: N=Inosine
--> 152 <400> 4
--> 154 nggncncn swrtnccyt nrcanghrtc 30
157 <210> SEQ ID NO: 5
158 <211> LENGTH: 28
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of artificial sequence:
164 oligonucleoide primer
166 <400> SEQUENCE: 5 28
168 cacccttct tcaatgactt caccttcg
172 <210> SEQ ID NO: 6
173 <211> LENGTH: 18
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of artificial sequence:
179 oligonucleoide primer
181 <400> SEQUENCE: 6
183 taccttcct acgactcc
186 <210> SEQ ID NO: 7
187 <211> LENGTH: 25
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of artificial sequence:
193 oligonucleoide primer
195 <400> SEQUENCE: 7 18
197 gaggttctcg caggtggct ggttg
200 <210> SEQ ID NO: 8
201 <211> LENGTH: 39
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of artificial sequence:
207 oligonucleoide primer
209 <400> SEQUENCE: 8 25
211 ctcgagaaaa gagtttgtgg gggcacggat gcggatgag
214 <210> SEQ ID NO: 9
215 <211> LENGTH: 36
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of artificial sequence:
221 oligonucleoide primer 39

Input Set : A:\Sequence Listing.txt
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223 <400> SEQUENCE: 9 36
225 gcgccgcac tataccccag ttttctcttt gatcca
228 <210> SEQ ID NO: 10
229 <211> LENGTH: 9
230 <212> TYPE: PRT
231 <213> ORGANISM: Homo Sapiens
233 <400> SEQUENCE: 10
235 Val Val Gly Gly Thr Asp Ala Asp Glu
236 1 5
239 <210> SEQ ID NO: 11
240 <211> LENGTH: 726
241 <212> TYPE: DNA
242 <213> ORGANISM: Homo Sapiens
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <223> OTHER INFORMATION: Nucleic acid sequence of protease domain of MTSP1
248 <400> SEQUENCE: 11
250 caacaacccc cgtgcctacg ctcactcccg ctcaccggga ccgtccattc ggacgtacga 60
252 gaccgggtcc cggtagac gccaacgaaagg gagtagagag ggttgcggca ccagagacgg 120
254 cgtgtacga ttagtactact gtctcttaag tccatgagtc tgggtgcgt caccgtccgg 180
256 aaggacccga acgtgttgtt ctgcgtcggc tcgcggggac cccacgttct cggttccggag 240
258 ttccgttagt agagggtggg gaagaagtta ctgaagtggaa agtgcataact gtacgcgcac 300
260 gacctcgacc ttttggccg tctcatgttc aggttaccacg ccggtagac ggacggcctg 360
262 cggagggtac agaagggacg gccgttcccg tagaccctgt gcccggacccc tttgtgggtc 420
264 atacctccgt gaccgtcgca cttagacgtt ttccactctt aggccgtata gttgggtctgg 480
266 tggacgtct tggaggacgg cgtgcgtctag tgcggcgcgt actacacgca cccgaaggag 540
268 tcggccgcgc acctgaggac ggtcccacta aggcccccgtt gggacaggtc gcacccgtccgc 600
270 ctaccggctt agaagggtccg gccacaccac tcgacccttc tgccgtcgat agtcccttgc 660
272 ttccgtccgc acatgtgttc cgaggagac aaaggccctga ccttagttctt ctgtgtaccc 720
274 catata 726

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/092,004A

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Input Set : A:\Sequence Listing.txt
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Please Note:

use of n and/or Xaa have been detected in the Sequence Listing. Please review the sequence Listing to ensure that a corresponding explanation is presented in the <220> o <223> fields of each sequence which presents at least one n or Xaa.

eq#:3; N Pos. 6,9,12,15,18

eq#:4; N Pos. 1,4,7,10,16,21,25

VERIFICATION SUMMARY
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:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date!
:130 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
:134 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
:148 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
:152 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0